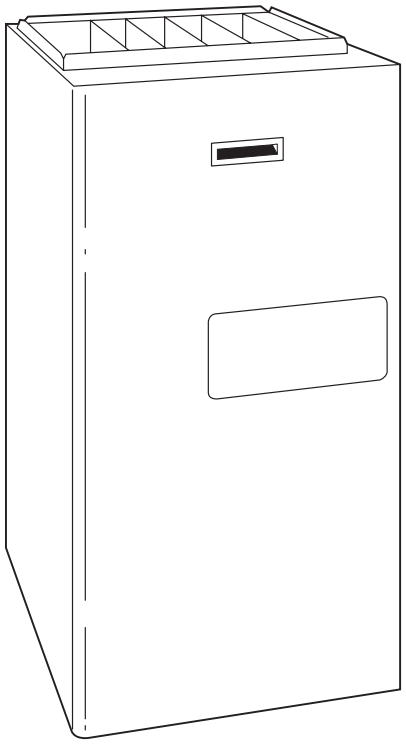
bryant
Heating & Cooling Systems

DELUXE 4-WAY MULTIPOISE VARIABLE-SPEED DELUXE CONDENSING GAS FURNACE

355AAV
Sizes 040 thru 120
Series H



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Perfect Heat Perfect Humidity™

EVOLUTION™ SYSTEM

Building on our industry-leading condensing furnace technology, the model 355AAV is our greatest innovation in comfort control and operating efficiency.

Modern technology provides the Plus 90i™ design with great reliability, high efficiency, and ultra-quiet operation. Efficiencies are up to 96.6 percent Annual Fuel Utilization Efficiency (AFUE).

The model 355AAV Plus 90i Condensing Gas Furnace incorporates our patented Perfect Heat™ Control. This control interacts with a 2-stage gas valve, a variable-speed inducer motor, and a variable-speed blower motor, allowing the Plus 90i to adjust combustion air, firing rate, and airflow to maintain peak efficiency throughout the operating cycle.

The Perfect Heat™ system provides the ultimate in heating comfort while minimizing electrical and gas consumption. The Plus 90i also features Perfect Humidity control when combined with a Bryant Thermidistat™ Control and air conditioner or heat pump system.

Bryant Evolution® System—When this Plus 90i gas furnace is matched with the Evolution Control and an air conditioner or heat pump, you will experience the ultimate in Perfect Heat™ and Perfect Humidity™ through unmatched control of temperature, humidity, indoor air quality, and zoning. The Bryant Evolution System also allows for worry-free operation through on-screen, text-based service reminders and equipment malfunction alerts.

For even greater comfort and convenience, match the Plus 90i furnace with a two-speed Puron air conditioner or heat pump. This will create a fully communicating system, requiring only 4 thermostat wires between system components, and troubleshooting can even be done from the outdoor unit without entering the home.

Optional remote access through telephone or Internet is also available when combined with a remote connectivity kit.

FEATURES

Perfect Heat/Perfect Humidity™ Control—This intelligent heating control constantly monitors operating conditions to adjust for greater efficiency and comfort. The control operates 90% of the time in low-heat and reserves the high-firing rate for times when the heating demand is high. The Perfect Heat/Perfect Humidity control has these additional features:

- dedicated terminals for electrical connection of electronic air cleaner and humidifier
- adjustable blower off time
- LED fault code display to aid in servicing
- selectable airflow to match cooling unit
- emergency heat setting
- setting to increase airflow for bypass-type humidifier
- selectable constant fan airflow
- a multizone setting for use with zoned air distribution systems
- a special dehumidification function increases cooling comfort by providing greater humidity removal in summer months
- controls humidity even when there is no heating or cooling demand

Three-Pass Primary Heat Exchangers—This design accelerates heat transfer and extracts heat that conventional heat exchangers waste up the flue. The primary heat exchanger is made of aluminized steel for corrosion resistance.

Flow-Through Secondary Heat Exchangers—Each cell is laminated with our patented Everlastic™ polypropylene for greater resistance to corrosion and is epoxy coated externally to prevent oxidation. This breakthrough in heating technology (Patent No. 4,738,307) helps extend the life of the furnace for years of reliable performance. The heat exchangers are positioned in the furnace to extract additional heat from the combustion products regardless of furnace orientation.

Perfect Light™ Igniter —Bryant's unique SiN igniter is not only physically robust but it is also electrically robust. It is capable of running at line voltage and does not require complex voltage regulators as do other brands. This unique feature further enhances the reliability of Bryant's 355AAV gas furnace and continues Bryant's tradition of technology leadership and innovation in providing a reliable and durable product.

Fan On *Plus*™ —Improves comfort all year long by allowing you to select the continuous fan speed right at the thermostat.

SmartEvap™ —Allows your system to reduce summertime humidity levels by nearly 10% over standard systems.

Media Filter Cabinet—Enhanced indoor air quality in your home is made easier with our media filter cabinet—a standard accessory on all Deluxe furnaces. When installed as a part of your system, this cabinet allows for easy and convenient addition of a Bryant high-efficiency air filter.

Warranty—Limited lifetime warranty on the heat exchangers for the lifetime of the original owner in single family residence; 20 years in other residential and commercial applications. Contact your dealer for details. The rest of the unit is backed by a 5-year limited warranty.

4-Way Multipoise Design—Allows the model 355AAV to be installed in an upflow, downflow, or horizontal orientation. Factory configured for upflow applications with only simple drain connection changes required for conversion to downflow or horizontal. The model 355AAV is available in 6 heat/airflow combinations. When combined with the 4-way design, the 355AAV allows for 24 different applications.

Direct or Non-Direct Venting—This furnace can be installed as a 1-pipe/Non-direct vent or 2-pipe/Direct vent furnace. This provides added flexibility to meet diverse installation needs.

2-Stage Gas Valve—The 355AAV has a 2-stage gas valve to vary the amount of gas being used from low-heat to high-heat stage.

Fully-Insulated Casing—Foil-faced insulation in the heat exchanger section cuts the heat loss; double-density insulation in the blower section reduces noise levels. The casing also has the required openings for left- or right-side connection of gas, electric, drain, and vent connections.

Variable-Speed Motors—Variable-speed operation improves the comfort levels in the home. Variable-Speed motors are also more economical to operate than standard motors. They have the ability to adapt to changing conditions and provide consistent, comfortable, and quiet heating. Motors and electronic controls are covered by a 5-year limited warranty.

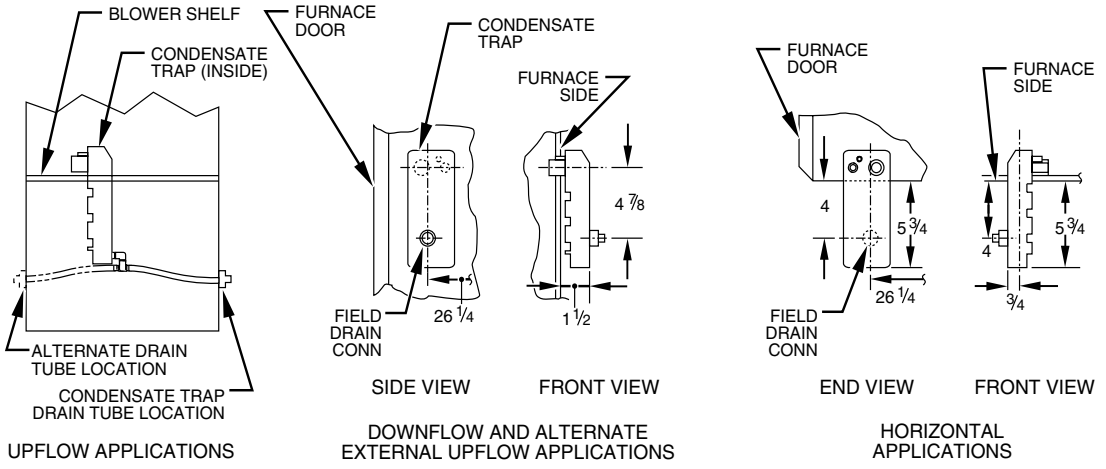
Sealed Combustion System—This furnace brings in combustion-air from outside the furnace, which results in especially quiet operation.

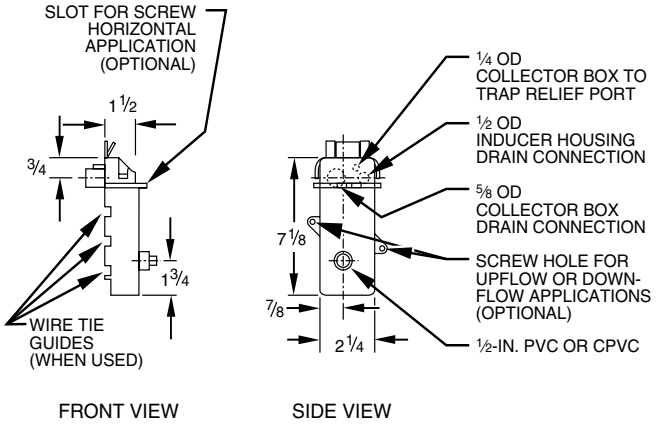
Monoport Inshot Burners—Produce precise air-to-gas mixture for clean burning. The large monoport on the inshot or injection-type burners seldom, if ever, needs cleaning.

Quality Registration—The 355AAV is engineered and manufactured under an ISO 9001 registered quality system.

Certifications—The 355AAV units are CSA (A.G.A. and C.G.A.) design certified for use with natural and propane gases, as well as GAMA efficiency rating certified. The furnace is factory-shipped for use with natural gas. An CSA (A.G.A. and C.G.A.) certified gas conversion kit is required to convert furnace for use with propane gas. The model 355AAV meets California Air Quality Management District emission requirements.

CONDENSATE TRAP





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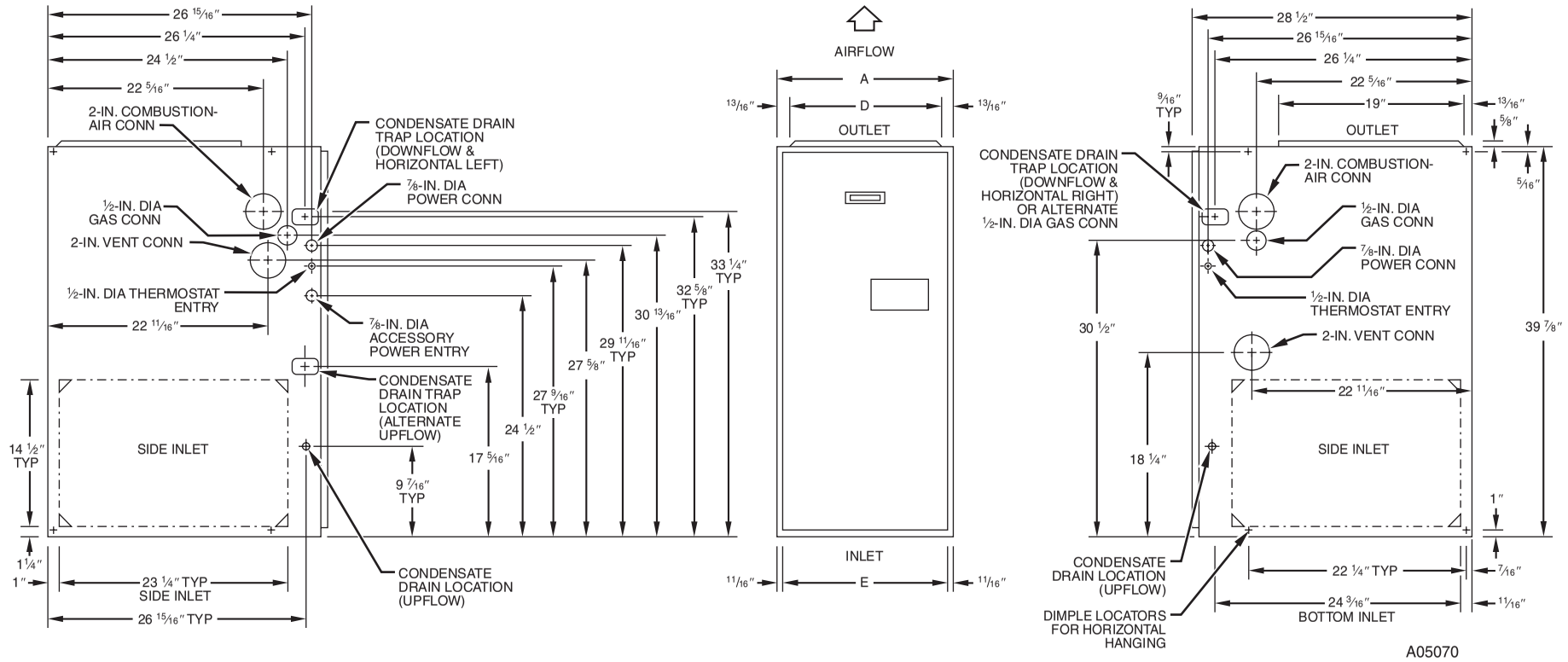


NOTES:
1. Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer s recommendations for equivalent diameters.
2. Minimum return-air opening at furnace:
   a. For 800 CFM–16-in. round or 14 1/2 x 12-in. rectangle.
   b. For 1200 CFM–20-in. round or 14 1/2 x 19 1/2-in. rectangle.
   c. For 1600 CFM–22-in. round or 14 1/2 x 23 1/4-in. rectangle.
   d. For airflow requirements above 1800 CFM, see Air Delivery table in Product Data literature for specific use of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom only will ensure adequate return air openings for airflow requirements above 1800 CFM at 0.5” W.C. ESP.

DIMENSIONS (IN.)

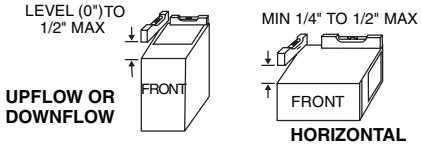
UNIT SIZE	A	D	E	SHIP. WEIGHT (Lb)
042040*	24-1/2*	22-7/8*	23*	205
042060	17-1/2	15-7/8	16	170
042080	21	19-3/8	19-1/2	182
060080	21	19-3/8	19-1/2	204
060100	21	19-3/8	19-1/2	203
060120	24-1/2	22-7/8	23	234

* These dimensions reflect the wider casing for the 96.6% AFUE furnace.

INSTALLATION

- This forced air furnace is equipped for use with natural gas at altitudes 0 - 10,000 ft (0 - 3,050m), except 140 size furnaces are only approved for altitudes 0 - 7,000 ft. (0 - 2,135m).
- An accessory kit, supplied by the manufacturer, shall be used to convert to propane gas use or may be required for some natural gas applications.
- This furnace is for indoor installation in a building constructed on site. This furnace may be installed in a manufactured (mobile) home when stated on rating plate and using factory authorized kit.
- This furnace may be installed on combustible flooring in alcove or closet at **Minimum Inches Clearance To Combustible Construction** as described below.
- This furnace requires a special venting system. Refer to the installation instructions for parts list and method of installation. This furnace is for use with schedule-40 PVC, PVC-DWV, CPVC, or ABS-DWV pipe, and must not be vented in common with other gas-fired appliances. Construction through which vent/air intake pipes may be installed is maximum 24 inches (600 mm), minimum 3/4 inches (19 mm) thickness (including roofing materials).

For upflow and downflow applications, furnace must be installed level, or pitched within 1/2" of level. For a horizontal application, the furnace must be pitched minimum 1/4" to maximum of 1/2" forward for proper drainage. See Installation Manual for IMPORTANT unit support details on horizontal applications.



MINIMUM INCHES CLEARANCE TO COMBUSTIBLE CONSTRUCTION

ALL POSITIONS:

* Mimimum front clearance for service 30 inches (762mm).

DOWNFLOW POSITIONS:

† For installation on combustible floors only when installed on special base No. KGASB0201ALL, Coil Assembly, Part No. CD5 or CK5, or Coil Casing, Part No. KCAKC.

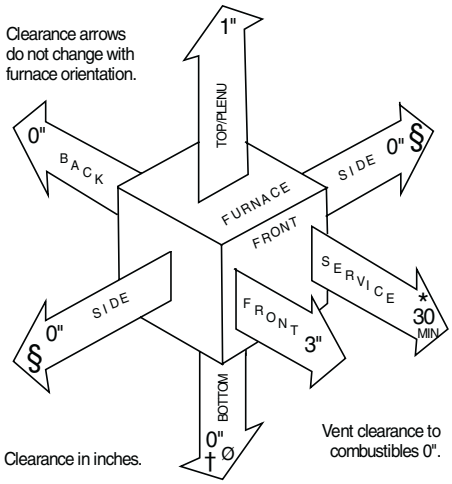
HORIZONTAL POSITIONS:

Line contact is permissible only between lines formed by intersections of top and two sides of furnace jacket, and building joists, studs, or framing.

§ Clearance shown is for air inlet and air outlet ends.

Ø 120 size furnace requires 1 inch bottom clearance to combustible materials.

This furnace is approved for UPFLOW, DOWNFLOW and HORIZONTAL installations.



328068-201 REV. A
LIT - TOP

A02250

MEETS DOE RESIDENTIAL CONSERVATION SERVICES PROGRAM STANDARDS.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer.

As an ENERGY STAR® Partner, Bryant Heating & Cooling Systems determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

REGISTERED QUALITY SYSTEM

These products are engineered and manufactured under an ISO 9001 registered quality system.

SPECIFICATIONS

UNIT SIZE				042040	042060	042080	060080	060100	060120
RATINGS AND PERFORMANCE									
Input Btuh*			Low	26,000	39,000	52,000	52,000	65,000	78,000
			High	40,000	60,000	80,000	80,000	100,000	120,000
Output Capacity Btuh* (ICS) (Shaded capacities are specified on rating plate)	Direct Vent (2-Pipe)	Low	Upflow	25,000	37,000	49,000	49,000	61,000	73,000
			Downflow	25,000	36,000	49,000	49,000	61,000	73,000
			Horizontal	25,000	36,000	49,000	49,000	61,000	73,000
		High	Upflow	38,000	57,000	75,000	75,000	94,000	113,000
			Downflow	38,000	56,000	75,000	75,000	94,000	113,000
			Horizontal	37,000	56,000	75,000	75,000	93,000	112,000
	Non-Direct Vent (1-Pipe)	Low	Upflow	25,000	37,000	49,000	49,000	61,000	73,000
			Downflow	25,000	36,000	49,000	49,000	61,000	73,000
			Horizontal	25,000	36,000	49,000	49,000	61,000	73,000
		High	Upflow	38,000	57,000	75,000	75,000	94,000	113,000
			Downflow	37,000	56,000	75,000	75,000	94,000	113,000
			Horizontal	37,000	56,000	75,000	75,000	93,000	112,000
AFUE%* Nonweatherized ICS	Direct Vent (2-Pipe)		Upflow	96.6	94.1	94.1	94.1	94.1	94.1
			Downflow	95	92.7	92.7	92.7	92.7	92.7
			Horizontal	96.1	93.7	93.7	93.7	93.7	93.7
	Non-Direct Vent (1-Pipe)		Upflow	96.6	94.1	94.1	94.1	94.1	94.1
			Downflow	95	92.7	92.7	92.7	92.7	92.7
			Horizontal	96.1	93.7	93.7	93.7	93.7	93.7
Certified Temperature Rise Range (°F)			Low	25—55	50—80	50—80	50—80	50—80	50—80
			High	30—60	35—65	35—65	35—65	45—75	45—75
Certified External Static Pressure (ESP)			Heating	0.10	0.12	0.15	0.15	0.20	0.20
(In. wc)			Cooling	0.50	0.50	0.50	0.50	0.50	0.50
Airflow CFM‡			Heating Low	585 (690**)	500 (590**)	720 (850**)	705 (830**)	920 (1085**)	1160 (1370**)
			Heating High	800	1065	1500	1500	1525	1880
			Cooling (Max)	1400	1400	1395	1990	2000	2100
ELECTRICAL									
Unit Volts—Hertz—Phase				115—60—1					
Operating Voltage Range Min—Max††				104—127					
Maximum Unit Amps				8.9	8.9	8.9	13.8	13.8	11.6
Unit Ampacity‡‡				12.0	12.0	12.0	17.9	18.1	15.3
Minimum Wire Size, AWG				14	14	14	12	12	12
Maximum Wire Length (Ft)***				31	31	31	32	32	37
Maximum Fuse or Ckt Bkr Amps†††				15	15	15	20	20	20
Transformer (24v)				40va					
External Control			Heating	25va					
Power Available			Cooling	34va					
Accessory Relay				Standard					
CONTROLS									
Limit Control				SPST					
Heating Blower Control (Off Delay)				Selectable 90, 120, 150, or 180 Sec Intervals					
Burners (Monoport)				2	3	4	4	5	6
Gas Connection Size				1/2-in. NPT					
GAS CONTROLS									
Gas Valve (Redundant 2-Stage)			Manufacturer	White-Rodgers					
			Minimum Inlet Pressure (In. wc)	4.5 (Natural Gas)					
			Maximum Inlet Pressure (In. wc)	13.6 (Natural Gas)					
Ignition Device				Hot Surface					
BLOWER DATA									
Direct-Drive Motor HP (ICM)				1/2	1/2	1/2	1	1	1
Motor Full Load Amps				7.7	7.7	7.7	12.8	12.8	12.8
RPM (Nominal)—Speeds				Variable 250—1300					
Blower Wheel Diameter X Width (In.)				11 X 10	10 X 7	11 X 10	11 X 10	11 X 10	11 X 10
Filter Size (In.)—Permanent Washable				(1) 24 X 25 X 1	(1) 16 X 25 X 1	(1) 20 X 25 X 1	(1) 20 X 25 X 1	(1) 20 X 25 X 1	(1) 24 X 25 X 1

* Gas input ratings are certified for elevations to 2000 ft. For elevations above 2000 ft, reduce ratings 2% for each 1000 ft above sea level. In Canada, from 2000 to 4500 ft above sea level, derate the unit 5%.

† Capacity and AFUE in accordance with U.S. Government DOE test procedures.

‡ Airflow shown is for bottom only return-air supply. For air delivery above 1800 CFM, see Air Delivery curve for other options. A filter is required for each return-air supply.

** Low heat CFM when low-heat rise adjustment switch (SWI-3) on furnace control is used.

†† Permissible voltage limits for proper furnace operation.

‡‡ Unit ampacity = 125% of largest component's full load amps plus 100% of all other potential operating components (EAC, humidifier, etc.)

*** Length shown is measured 1 way along wire path between unit and service panel for maximum 2% voltage drop.

††† Time-delay type is recommended.

†††† High-pressure switch must be used when operating a dual fuel system. Outdoor Temperature Sensor is packaged with the Thermidistat Control and dual fuel thermostat to gain the full benefit and features.

BRYANT ACCESSORIES*

DESCRIPTION	PART NO.	042040	042060	04080	06080	060100	06120
EZ Flex Media Filter with end caps – 16 in. (9 pack)	EXPXXLMC0016		X				
EZ Flex Media Filter with end caps – 20 in. (9 pack)	EXPXXLMC0020			X	X	X	
EZ Flex Media Filter with end caps – 24 in. (6 pack)	EXPXXLMC0024	X					X
Replacement EZ Flex Filter – 16 in. (10 pack)	EXPXXFIL0016		X				
Replacement EZ Flex Filter – 20 in. (10 pack)	EXPXXFIL0020			X	X	X	
Replacement EZ Flex Filter – 24 in. (10 pack)	EXPXXFIL0024	X					X
Unframed filter, one inch – 16x25	KGAWF1301UFR KGAWF1306UFR (6-pack)	S	X	S	S	S	
Unframed filter, one inch – 20x25	KGAWF1401UFR KGAWF1406UFR (6 pack)			X	X	X	
Unframed filter, one inch – 24x25	KGAWF1501UFR KGAWF1506UFR (6 pack)	X					X
Combustible Floor Base (not required when evaporator coil case is used)	KGASB0201ALL	X	X	X	X	X	
Natural-to-Propane Gas Conversion Kit (Single Kit)*	KGANP4001ALL	X	X	X	X	X	X
Propane-to-Natural Gas Conversion Kit (Single Kit)	KGAPN3301ALL	X	X	X	X	X	X
ECM Motor Simulator (replaces the ECM motor to aid trouble shooting)	KGASD0201FMS	X	X	X	X	X	X
Door Gasket Kit	KGBAC0110DGK	X	X	X	X	X	X
Advanced Product Monitor (software and hearware to link PC laptop to control board)	KGAFP0201APM	X	X	X	X	X	X
ECM Control Replacement Module - 1/2 HP	HK44EA120	X	X	X			
ECM Control Replacement Module - 1 HP	HK52EA120				X	X	X
Downflow Base ‡‡‡	KGASB0201ALL	X	X	X	X	X	X
Vent Termination Kit (Bracket Only for 2 Pipes)	2-in.—KGAVT0101BRA 3-in.—KGAVT0201BRA	X	X	X	X	X	X
Concentric Vent Termination Kit (Single Pipe)	2-in.—KGAVT0501CVT 3-in.—KGAVT0601CVT	X	X	X	X	X	X
Condensate Freeze Protection Kit	KGAHT0101CFP	X	X	X	X	X	X
Condensate Neutralizer Kit (Obtained thru RCD)	P908-0001						
Electronic or Mechanical Air Cleaner****	Model EACB, EZXCAB, or FILCAB	X	X	X	X	X	X
Humidifier	Model HUM	X	X	X	X	X	X
Heat/Energy Recovery Ventilator	Models HRV or ERV	X	X	X	X	X	X
Gas Orifice Kit (Qty 50) Size 42	KGAHA0150N42	X	X	X	X	X	X
Gas Orifice Kit (Qty 50) Size 43	KGAHA0250N43	X	X	X	X	X	X
Gas Orifice Kit (Oty 50) Size 44	KGAHA0350N44	See Installation Instructions for model, altitude, and heat value usages.					
Gas Orifice Kit (Oty 50) Size 45	KGAHA0450N45						
Gas Orifice Kit (Oty 50) Size 46	KGAHA0550N46						
Gas Orifice Kit (Oty 50) Size 47	KGAHA1550N47						
Gas Orifice Kit (Oty 50) Size 48	KGAHA1850N48						
Gas Orifice Kit (Oty 50) Size 54	KGAHA0850P54						
Gas Orifice Kit (Oty 50) Size 55	KGAHA0750P55						
Gas Orifice Kit (Oty 50) Size 56	KGAHA0850P56						
Gas Orifice Kit (Oty 50)1.25 mm	KGAHA5750125						
Gas Orifice Kit (Oty 50)1.30mw	KGAHA5750130						
UV Lights	Model UVL						

CONTROLS—THERMOSTAT AND ZONING	
NON-PROGRAMMABLE	
TSTATBBNAC01-C	For use with 1-spd. Air Conditioner - deg. F/C, Auto Changeover
TSTATBBNHP01-C	For use with 1-spd. Air Conditioner - deg. F/C, Auto Changeover
TSTATBBN2S01-C	For use with 2-spd. Air Conditioner - deg. F/C, Auto Changeover
TSTATBBPRH01-B**	For multi-use / stage configurations - deg. F/C, Auto Changeover
PROGRAMMABLE THERMOSTAT SELECTION	
TSTATBBPAC01-B	For use with 1-spd. Air Conditioner - deg. F/C, Auto Changeover, 7-Day Programmable
TSTATBBPHP01-B*	For use with 1-spd. Air Conditioner - deg. F/C, Auto Changeover, 7-Day Programmable
TSTATBBP2S01-B*	For use with 2-spd. Air Conditioner - deg. F/C, Auto Changeover, 7-Day Programmable
TSTATBBSAC01	For use with 1-spd. Air Conditioner - deg. F/C, Auto Changeover, 5-2 Day Programmable
TSTATBBPDF01-B**	For use with multi-stage applications - deg. F/C, Auto Changeover, 7-Day Programmable
TSTATBBPRH01-B***	For multi-use / stage configurations - deg. F/C, Auto Changeover, 7-Day Programmable
ZONING CONTROL SELECTION	
ZONEBB3Z(AC/HP)01	Zone Perfect Two-Zone kit
ZONEBB2KIT01-B	Zone Perfect *Plus* 2-Zone kit
ZONEBB4KIT01-B	Zone Perfect *Plus* 4-Zone kit
ZONEBB8KIT01-B	Zone Perfect *Plus* 8-Zone kit

* Factory-authorized and field installed. Gas conversion kits are CSA (A.G.A. and C.G.A.) recognized.

S 16 x 25 filters suitable for side return on all furnace sizes.

* Model HP and 2S thermostat must be field converted to air conditioner operation.

** Dual Fuel thermostat is used with furnace and heat pump application.

*** Thermidistat can be configured for multiple use and staging, it must be configured for each specific application.

‡‡‡ Required for installation on combustible floors when no coil box is used, or when any coil box other than a Bryant CD5, CK5 or KCAKC cased coil is used.

ECM—Electronically Commutated Motor.

**** An external filter is required for right-side return-air installations.

COMBUSTION-AIR AND VENT PIPING FOR DIRECT VENT/2-PIPE (ALL SIZES) AND NON-DIRECT VENT/1-PIPE (SIZES 040 THROUGH 120 ONLY) APPLICATIONS

MAXIMUM ALLOWABLE PIPE LENGTH (FT)

ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
0 to 2000	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	50	45	40	35	30	25
			2	2	70	70	70	70	70	70
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	50	45	40	35	30	25
			2	2	70	70	70	70	70	70
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	30	25	20	15	10	5
			2	2	70	70	70	70	70	70
	100,000	2 Pipe or 2-In. Concentric	2	2	45	40	35	30	25	20
			2-1/2	2-1/2	70	70	70	70	70	70
	120,000	2 Pipe or 3-In. Concentric	2-1/2	2-1/2	10	NA	NA	NA	NA	NA
			3	3	35	30	15	NA	NA	NA
			3†	3	70	70	70	70	70	70
ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
2001 to 3000	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	45	40	35	30	25	20
			2	2	70	70	70	70	70	70
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	45	40	35	30	25	20
			2	2	70	70	70	70	70	70
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	26	21	16	11	6	NA
			2	2	70	70	70	70	70	70
	100,000	2 Pipe or 2-In. Concentric	2	2	40	35	30	25	20	15
			2-1/2	2-1/2	70	70	70	70	70	70
	120,000	2 Pipe or 3-In. Concentric	3	3	31	26	12	NA	NA	NA
			3†	3	63	62	62	61	61	61
ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
3001 to 4000	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	42	37	32	27	22	17
			2	70	70	70	70	70	70	
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	42	37	32	27	22	17
			2	2	70	70	70	70	70	70
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	25	20	15	10	5	NA
			2	2	70	70	70	70	70	70
	100,000	2 Pipe or 2-In. Concentric	2	2	38	33	28	23	18	13
			2-1/2	2-1/2	70	70	70	70	70	70
	120,000	2 Pipe or 3-In. Concentric	3	3	29	24	10	NA	NA	NA
			3†	3	59	59	58	57	57	56
ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
4001 to 5000‡	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	40	35	30	25	20	15
			2	2	70	70	70	70	70	70
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	40	35	30	25	20	15
			2	2	70	70	70	70	70	70
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	23	18	13	8	NA	NA
			2	2	70	70	70	70	70	68
	100,000	2 Pipe or 2-In. Concentric	2	2	36	31	26	21	16	11
			2-1/2	2-1/2	70	70	70	70	70	70
	120,000	2 Pipe or 3-In. Concentric	3†	3	56	55	54	53	52	52

See notes on page 9.

COMBUSTION-AIR AND VENT PIPING FOR DIRECT VENT/2-PIPE (ALL SIZES) AND NON-DIRECT VENT/1-PIPE (SIZES 040 THROUGH 120 ONLY) APPLICATIONS

MAXIMUM ALLOWABLE PIPE LENGTH (FT) Continued

ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
5001 to 6000‡	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	37	32	27	22	17	12
			2	2	70	70	70	70	70	70
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	37	32	27	22	17	12
			2	2	70	70	70	70	70	70
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	22	17	12	7	NA	NA
			2	2	70	70	70	70	68	63
	100,000	2 Pipe or 2-In. Concentric	2	2	33	28	23	18	13	8
			2-1/2	2-1/2	70	70	70	70	70	70
	120,000	2 Pipe or 3-In. Concentric	3†	3	53	52	50	49	48	47
ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
6001 to 7000‡	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	35	30	25	20	15	10
			2	2	70	70	68	67	66	64
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	35	30	25	20	15	10
			2	2	70	70	68	67	66	64
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	20	15	10	5	NA	NA
			2	2	70	70	68	67	62	57
	100,000	2 Pipe or 2-In. Concentric	2	2	31	26	21	16	11	6
			2-1/2	2-1/2	70	70	68	67	66	64
	120,000	2 Pipe or 3-In. Concentric	3†	3	49	48	47	45	44	43
ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
7001 to 8000‡	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	32	27	22	17	12	7
			2	2	66	65	63	62	60	59
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	32	27	22	17	12	7
			2	2	66	65	63	62	60	59
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	18	13	8	NA	NA	NA
			2	2	66	65	63	62	57	52
	100,000	2 Pipe or 2-In. Concentric	2	2	29	24	19	14	9	NA
			2-1/2	2-1/2	66	65	63	62	60	59
	120,000	2 Pipe or 3-In. Concentric	3†	3	46	44	43	41	40	38

See notes on page 9.

COMBUSTION-AIR AND VENT PIPING FOR DIRECT VENT/2-PIPE (ALL SIZES) AND NON-DIRECT VENT/1-PIPE (SIZES 040 THROUGH 120 ONLY) APPLICATIONS

MAXIMUM ALLOWABLE PIPE LENGTH (FT) **Continued**

ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
8001 to 9000‡	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	30	25	20	15	10	5
			2	2	62	60	58	56	55	53
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	30	25	20	15	10	5
			2	2	62	60	58	56	55	53
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	17	12	7	NA	NA	NA
			2	2	62	60	58	56	51	46
	100,000	2 Pipe or 2-In. Concentric	2	2	27	22	17	12	7	NA
			2-1/2	2-1/2	62	60	58	56	55	53
	120,000	2 Pipe or 3-In. Concentric	3†	3	43	41	39	37	35	34
ALTITUDE	UNIT SIZE (BTUH)	DIRECT VENT (2-PIPE) ONLY		NON-DIRECT VENT (1-PIPE) ONLY	NUMBER OF 90° ELBOWS					
		Termination Type	Pipe Dia (IN.)*	Pipe Dia (IN.)*	1	2	3	4	5	6
9001 to 10000‡	40,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	27	22	17	12	7	NA
			2	2	57	55	53	51	49	47
	60,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	27	22	17	12	7	NA
			2	2	57	55	53	51	49	47
	80,000	2 Pipe or 2-In. Concentric	1-1/2	1-1/2	15	10	5	NA	NA	NA
			2	2	57	55	53	51	46	41
	100,000	2 Pipe or 2-In. Concentric	2	2	24	19	14	9	NA	NA
			2-1/2	2-1/2	57	55	53	51	49	47
	120,000	2 Pipe or 3-In. Concentric	3†	3	39	37	35	33	31	29

* Disk usage—Unless otherwise stated, use perforated disk assembly (factory-supplied in loose parts bag).
† Wide radius elbow.
‡ Vent sizing for Canadian installations over 4500 ft (1370m) above sea level are subject to acceptance by the local authorities having jurisdiction.
NA—Not Allowed; pressure switch will not make.

NOTES:
1. Do not use pipe size greater than those specified in table or incomplete combustion, flame disturbance, or flame sense lockout may occur.
2. Size both the combustion-air and vent pipe independently, determine the smallest diameter allowed by the table for each pipe, then use the larger diameter for both pipes.
3. Assume two 45° elbows equal one 90° elbow. Long radius elbows are desirable and may be required in some cases.
4. Elbows and pipe sections within the furnace casing and at the vent termination should not be included in vent length or elbow count.
5. The minimum pipe length is 5 ft for all applications.

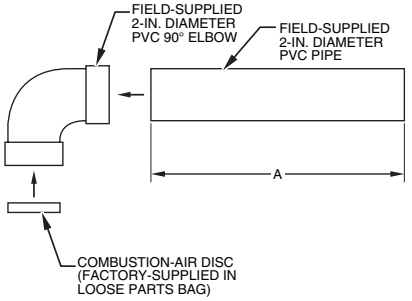
MAXIMUM ALLOWABLE EXPOSED VENT PIPE LENGTH (FT) WITH INSULATION IN WINTER DESIGN TEMPERATURE AMBIENT*

UNIT SIZE	WINTER DESIGN TEMP °F	MAXIMUM PIPE DIA	INSULATION THICKNESS (IN.)†				
			0	3/8	1/2	3/4	1
042040	20	2	21	37	42	50	57
	0	2	10	22	25	30	35
	–20	2	5	14	17	21	25
042060	20	2	30	55	61	70	70
	0	2	16	33	38	46	53
	–20	2	9	23	26	33	38
042080 060080	20	2	37	65	70	70	70
	0	2	20	39	45	55	63
	–20	2	11	27	31	39	45
060100	20	2-1/2	41	70	70	70	70
	0	2-1/2	21	42	48	59	68
	–20	2-1/2	11	28	33	41	49
060120	20	3	49	70	70	70	70
	0	3	26	51	58	70	70
	–20	3	15	35	40	50	59

* Pipe length (ft) specified for maximum vent pipe lengths located in unconditioned spaces. Vent pipes located in unconditioned space cannot exceed total allowable pipe length as specified in maximum allowable pipe length table.
† Insulation thickness based on R value of 3.5 per in.

ACCESSORIES

COMBUSTION-AIR PIPE FOR NON-DIRECT (1-PIPE) VENT APPLICATION (SIZES 040 THROUGH 120 ONLY)

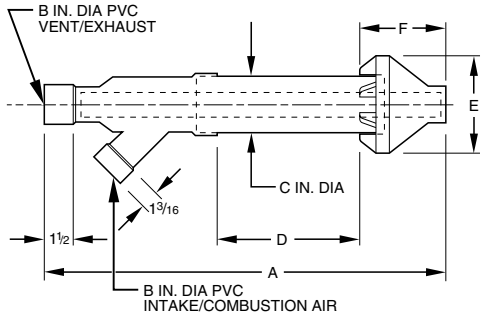


A96211

LENGTH OF STRAIGHT PIPE PORTION OF COMBUSTION AIR INLET PIPE ASSEMBLY (IN.)

CASING WIDTH	A
17-1/2	8-1/2 ± 1/2
21	10-1/2 ± 1/2
24-1/2	12 ± 1/2

CONCENTRIC VENT FOR DIRECT VENT (2-PIPE) APPLICATION (ALL MODEL SIZES)



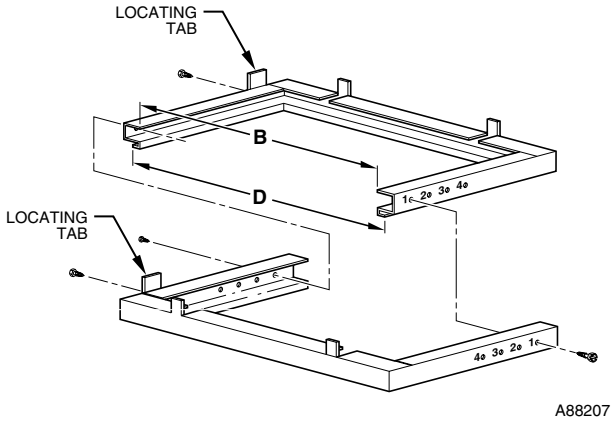
A97110

DIMENSIONS (IN.)

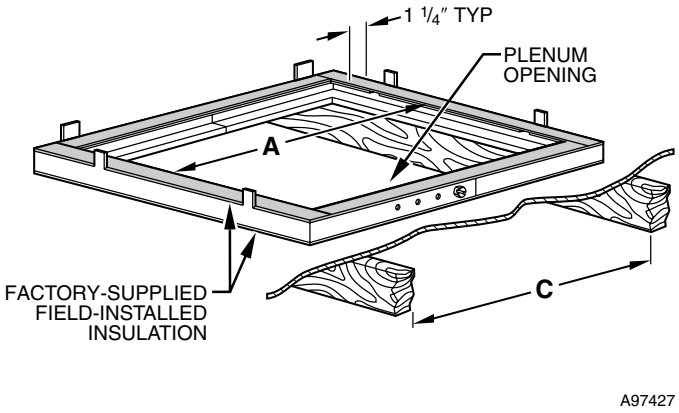
KIT PART NO.	A*	B	C	D†	E	F
KGAVT0501CVT	33-3/8	2	3-1/2	16-5/8	6-1/4	5-3/4
KGAVT0601CVT	38-7/8	3	4-1/2	21-1/8	7-3/8	6-1/2

* Dimension A will change accordingly as dimension D is lengthened or shortened.
† Dimension D may be lengthened to 60 in. maximum. Dimension D may also be shortened by cutting the pipes provided in the kit to 12 in. minimum.

ACCESSORY DOWNFLOW SUBBASE



Disassembled

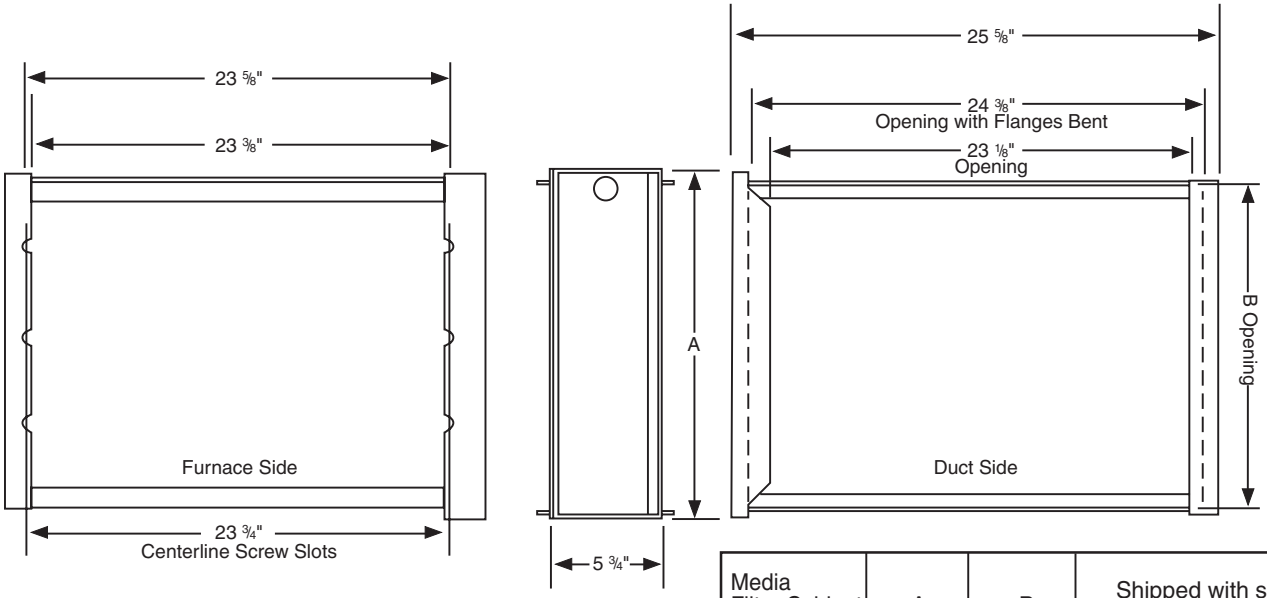


Assembled

FURNACE CASING WIDTH	FURNACE IN DOWNFLOW APPLICATION	PLENUM OPENING* A	PLENUM OPENING* B	FLOOR OPENING C	FLOOR OPENING D	HOLE NO. FOR WIDTH ADJUSTMENT
17-1/2	Furnace with or without Cased Coil Assembly or Coil Box	15-1/8	19	16-3/4	20-3/8	3
21	Furnace with or with Cased Coil Assembly or Coil Box	18-5/8	19	20-1/4	20-3/8	2
24-1/2	Furnace with or without Cased Coil Assembly or Coil Box	22-1/8	19	23-3/4	20-3/8	1

* The plenum should be constructed 1/4-in. smaller in width and depth than the plenum dimensions shown above.

MEDIA FILTER CABINET



Media Filter Cabinet	A	B	Shipped with sizes
16"	17"	16"	060-12, 080-12, 080-16
20"	21"	20"	100-16, 100-20
24"	25"	24"	120-20

A05186

AIR DELIVERY - CFM (Bottom Return With Filter)*

Unit Size	Operating Mode	CFM Airflow Setting	External Static Pressure Range*	External Static Pressure (ESP)									
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
				AIRFLOW (CFM)									
042040													
††	Low Heat	585†	0-0.60	585	580	585	585	585	580				
	High Heat	800	0-1.0	800	800	800	800	800	790	780	760	750	735
††	1-1/2-Ton Cooling	525	0-0.50‡	525	525	505	505	505					
††	2-Ton A/C Cooling	700	0-0.90‡	675	685	695	695	700	700	700	700	700	700
	2-1/2-Ton A/C Cooling	875	0-1.0	875	875	875	875	865	855	835	820	795	720
	3-Ton A/C Cooling	1050	0-1.0	1050	1050	1050	1050	1045	1020	1010	995	980	965
	3-1/2-Ton A/C Cooling	1225	0-1.0	1225	1225	1225	1225	1225	1225	1220	1210	1195	1175
	Maximum	1400	0-1.0	1390	1400	1400	1400	1400	1375	1330	1285	1235	1185
042060													
††	Low Heat	500†	0-0.50	500	495	485	460	430					
	High Heat	1065	0-1.0	1055	1065	1065	1065	1065	1065	1065	1065	1060	1050
††	1-1/2-Ton A/C Cooling	525	0-0.50‡	525	525	510	495	465					
††	2-Ton A/C Cooling	700	0-0.50‡	700	700	695	680	680					
	2-1/2-Ton A/C Cooling	875	0-1.0‡	850	870	875	875	870	860	845	825	810	805
	3-Ton A/C Cooling	1050	0-1.0	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
	3-1/2-Ton A/C Cooling	1225	0-1.0	1210	1220	1225	1225	1225	1225	1225	1225	1215	1195
	Maximum	1400	0-1.0	1400	1400	1400	1400	1400	1400	1400	1400	1385	1345
042080***													
††	Low Heat	720†	0-0.50	720	715	715	720	720					
	High Heat	1500	0-1.0	1500	1500	1470	1420	1375	1330	1290	1250	1210	1170
††	1-1/2-To A/C Cooling	525	0-0.50‡	525	525	515	505	485					
††	2-Ton A/C Cooling	700	0-0.50‡	700	700	695	695	700					
	2-1/2-Ton A/C Cooling	875	0-1.0‡	840	855	875	875	875	875	870	855	850	850
	3-Ton A/C Cooling	1050	0-1.0‡	1050	1050	1050	1050	1050	1050	1045	1045	1040	1030
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	1225	1225	1225	1225	1225	1225	1225	1225	1225	1195
	Maximum	1400	0-1.0‡	1400	1400	1400	1400	1395	1355	1315	1275	1230	1190
060080***													
††	Low Heat	705†	0-0.50	705	680	680	675	675					
	High Heat	1500	0-1.0	1500	1500	1500	1500	1500	1500	1500	1495	1485	1480
††	2-Ton A/C Cooling	700	0-0.50‡	700	670	665	665	655					
††	2-1/2-Ton A/C Cooling	875	0-0.50‡	875	875	875	875	875					
	3-Ton A/C Cooling	1050	0-1.0‡	1050	1050	1050	1045	1050	1050	1045	1045	1045	1035
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	1215	1220	1220	1220	1225	1225	1225	1225	1225	1220
	4-Ton A/C Cooling	1400	0-1.0‡	1370	1385	1385	1395	1395	1395	1395	1400	1395	1390
	5-Ton A/C Cooling	1750	0-1.0	1750	1750	1750	1750	1750	1750	1745	1740	1735	1725
	Maximum	2000	0-1.0	2000	2000	2000	2000	1990	1975	1950	1925	1900	1865
060100***													
	Low Heat	920†	0-1.0	920	915	915	920	920	920	915	900	895	890
	High Heat	1525	0-1.0	1525	1525	1525	1525	1520	1515	1515	1515	1515	1515
††	2-Ton A/C Cooling	700	0-0.50‡	700	700	700	690	685					
††	2-1/2-Ton A/C Cooling	875	0-0.50‡	865	875	870	870	875					
	3-Ton A/C Cooling	1050	0-1.0‡	1035	1045	1050	1045	1050	1050	1050	1050	1050	1045
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	1180	1195	1215	1225	1225	1225	1225	1225	1225	1225
	4-Ton A/C Cooling	1400	0-1.0‡	1400	1400	1400	1400	1400	1400	1400	1395	1375	1365
	5-Ton A/C Cooling	1750	0-1.0	1740	1745	1750	1750	1750	1750	1750	1750	1750	1740
	Maximum	2000	0-1.0	2000	2000	2000	2000	2000	2000	1985	1965	1940	1910
060120													
	Low Heat	1180†	0-1.0	1160	1175	1180	1180	1180	1180	1180	1180	1180	1180
	High Heat	1885	0-1.0	1875	1880	1885	1885	1885	1885	1885	1885	1880	1870
††	2-Ton A/C Cooling	700	0-0.50‡	700	700	700	700	695					
††	2-1/2-Ton A/C Cooling	875	0-0.50‡	875	875	875	870	870					
	3-Ton A/C Cooling	1050	0-1.0‡	1035	1040	1050	1050	1050	1050	1050	1025	1005	1000
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	1205	1210	1225	1225	1225	1225	1225	1225	1220	1215
	4-Ton A/C Cooling	1400	0-1.0‡	1390	1400	1400	1400	1400	1400	1395	1385	1370	1360
	5-Ton A/C Cooling	1750	0-1.0‡	1745	1740	1745	1745	1745	1745	1745	1740	1730	1715
	6-Ton A/C Cooling	2100	0-1.0	2100	2100	2100	2100	2100	2095	2075	2040	1975	1910
	Maximum	2100	0-1.0	2100	2100	2100	2100	2100	2095	2075	2040	1975	1910

* Actual external static pressure (ESP) can be determined by using the fan laws (CFM ^{2} proportional to ESP); such as, a system with 1750 CFM at 0.5 ESP would operate at high-heating airflow of 1500 CFM at 0.37 ESP and low-heating airflow of 705 CFM at 0.08 ESP.

† Low heat CFM when low-heat rise adjustment switch (SW1-3) and comfort/efficiency adjustment switch (SW1-4) on control center are OFF.

‡ Ductwork must be sized for high-heating CFM within the operational range of ESP.

** Wattage data provided is for the circulating blower with bottom return and does not include draft inducer, accessories, or gas controls.

†† Operation within the blank areas of the chart is not recommended because high-heat operation will be above 1.0 ESP.

*** All airflows on 21" casing size furnaces are 5% less on side return only installations.

AIR DELIVERY - POWER DRAW (WATTS)**

Unit Size	Operating Mode	CFM Airflow Setting	External Static Pressure Range*	External Static Pressure (ESP) 0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
042040													
††	Low Heat	585†	0-0.60	55	71	91	108	129	147				
	High Heat	800	0-1.0	97	119	141	165	187	209	230	252	274	292
††	1-1/2-Ton Cooling	525	0-0.50‡	49	63	75	94	107					
††	2-Ton A/C Cooling	700	0-0.90‡	67	92	117	134	159	186	216	239	267	296
	2-1/2-Ton A/C Cooling	875	0-1.0	112	138	164	188	210	236	256	275	295	317
	3-Ton A/C Cooling	1050	0-1.0	167	202	233	263	288	307	334	364	388	417
	3-1/2-Ton A/C Cooling	1225	0-1.0	232	266	308	341	380	413	448	491	524	561
	Maximum	1400	0-1.0	317	379	425	475	527	535	542	546	551	563
042060													
††	Low Heat	500†	0-0.50	43	55	70	83	97					
	High Heat	1065	0-1.0	150	175	200	234	264	292	321	352	378	408
††	1-1/2-Ton A/C Cooling	525	0-0.50‡	46	62	74	91	104					
††	2-Ton A/C Cooling	700	0-0.50‡	69	86	105	124	138					
	2-1/2-Ton A/C Cooling	875	0-1.0‡	101	126	154	179	202	226	248	267	287	313
	3-Ton A/C Cooling	1050	0-1.0	149	174	199	233	263	291	320	351	377	407
	3-1/2-Ton A/C Cooling	1225	0-1.0	210	248	278	312	344	384	418	449	476	503
	Maximum	1400	0-1.0	311	341	384	420	455	495	529	568	602	612
042080***													
††	Low Heat	720†	0-0.50	80	95	118	142	168					
	High Heat	1500	0-1.0	442	507	519	527	535	543	550	557	564	572
††	1-1/2-Ton A/C Cooling	525	0-0.50‡	50	63	80	96	111					
††	2-Ton A/C Cooling	700	0-0.50‡	73	94	113	133	156					
	2-1/2-Ton A/C Cooling	875	0-1.0‡	102	133	161	191	218	241	268	291	320	348
	3-Ton A/C Cooling	1050	0-1.0‡	168	206	240	273	299	324	356	385	418	460
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	245	277	317	355	394	431	481	522	558	568
	Maximum	1400	0-1.0‡	376	422	478	520	527	537	544	553	560	568
060080***													
††	Low Heat	705†	0-0.50	76	90	112	129	149					
	High Heat	1500	0-1.0	381	432	478	511	564	610	650	688	732	761
††	2-Ton A/C Cooling	700	0-0.50‡	76	89	109	127	148					
††	2-1/2-Ton A/C Cooling	875	0-0.50‡	113	136	157	178	208					
	3-Ton A/C Cooling	1050	0-1.0‡	158	191	213	239	266	300	326	351	392	425
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	227	262	294	322	360	390	432	459	501	538
	4-Ton A/C Cooling	1400	0-1.0‡	298	340	384	417	458	493	534	574	607	647
	5-Ton A/C Cooling	1750	0-1.0	587	631	664	724	772	815	861	907	943	988
	Maximum	2000	0-1.0	839	911	973	1029	1066	1104	1134	1149	1170	1182
060100***													
	Low Heat	920U	0-1.0	113	136	159	186	221	243	263	285	316	340
	High Heat	1525	0-1.0	378	419	448	486	518	561	606	650	696	730
††	2-Ton A/C Cooling	700	0-0.50‡	74	89	109	126	146					
††	2-1/2-Ton A/C Cooling	875	0-0.50‡	99	124	147	168	200					
	3-Ton A/C Cooling	1050	0-1.0‡	144	177	207	229	258	288	319	350	385	415
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	189	223	268	306	346	377	399	447	488	517
	4-Ton A/C Cooling	1400	0-1.0‡	283	328	360	400	439	474	510	541	575	598
	5-Ton A/C Cooling	1750	0-1.0	502	558	602	657	715	754	797	847	889	930
	Maximum	2000	0-1.0	766	819	887	947	991	1030	1065	1101	1129	1152
060120													
	Low Heat	1180†	0-1.0	162	194	228	265	297	325	363	392	432	459
	High Heat	1885	0-1.0	547	607	652	715	756	816	870	912	958	1000
††	2-Ton A/C Cooling	700	0-0.50‡	72	89	113	128	146					
††	2-1/2-Ton A/C Cooling	875	0-0.50‡	98	119	140	163	187					
	3-Ton A/C Cooling	1050	0-1.0‡	126	156	194	221	249	279	307	327	351	381
	3-1/2-Ton A/C Cooling	1225	0-1.0‡	178	211	253	284	314	352	382	424	455	494
	4-Ton A/C Cooling	1400	0-1.0‡	257	310	348	388	421	458	488	528	557	591
	5-Ton A/C Cooling	1750	0-1.0‡	461	498	552	618	665	711	760	800	847	888
	6-Ton A/C Cooling	2100	0-1.0	794	867	931	996	1042	1092	1135	1152	1124	1098
	Maximum	2100	0-1.0	592	673	746	811	885	935	994	1026	1102	1129

* Actual external static pressure (ESP) can be determined by using the fan laws (CFM ^{2} proportional to ESP); such as, a system with 1750 CFM at 0.5 ESP would operate at high-heating airflow of 1500 CFM at 0.37 ESP and low-heating airflow of 705 CFM at 0.08 ESP.

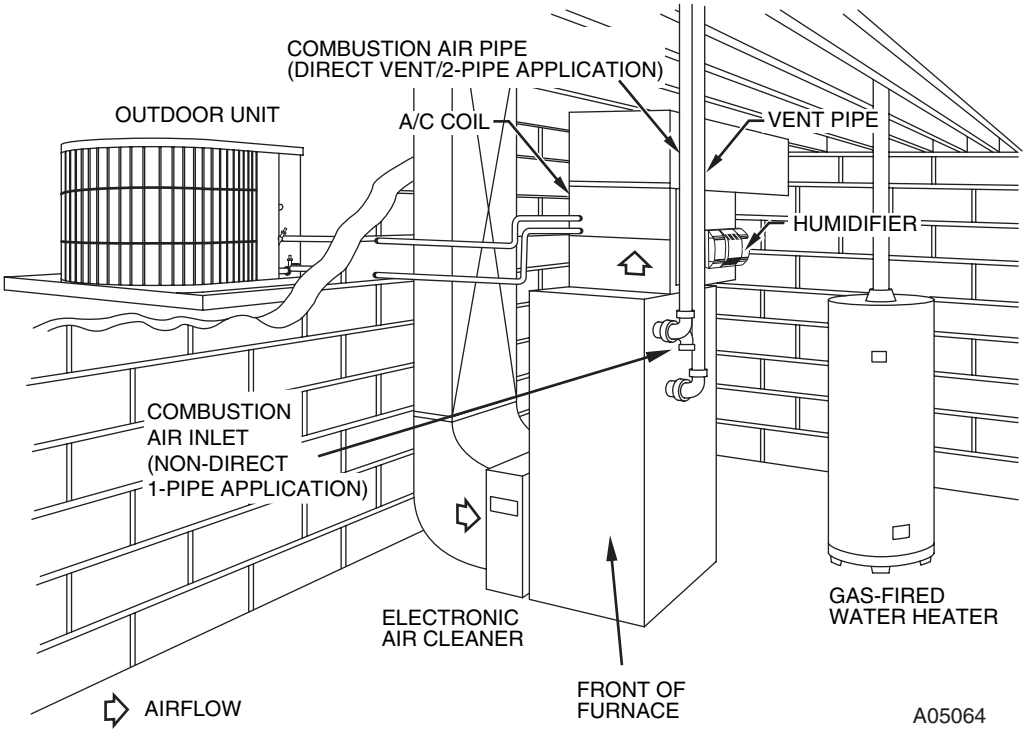
† Low heat CFM when low-heat rise adjustment switch (SW1-3) and comfort/efficiency adjustment switch (SW1-4) on control center are OFF.

‡ Ductwork must be sized for high-heating CFM within the operational range of ESP.

** Wattage data provided is for the circulating blower with bottom return and does not include draft inducer, accessories, or gas controls.

†† Operation within the blank areas of the chart is not recommended because high-heat operation will be above 1.0 ESP.

*** All airflows on 21" casing size furnaces are 5% less on side return only installations.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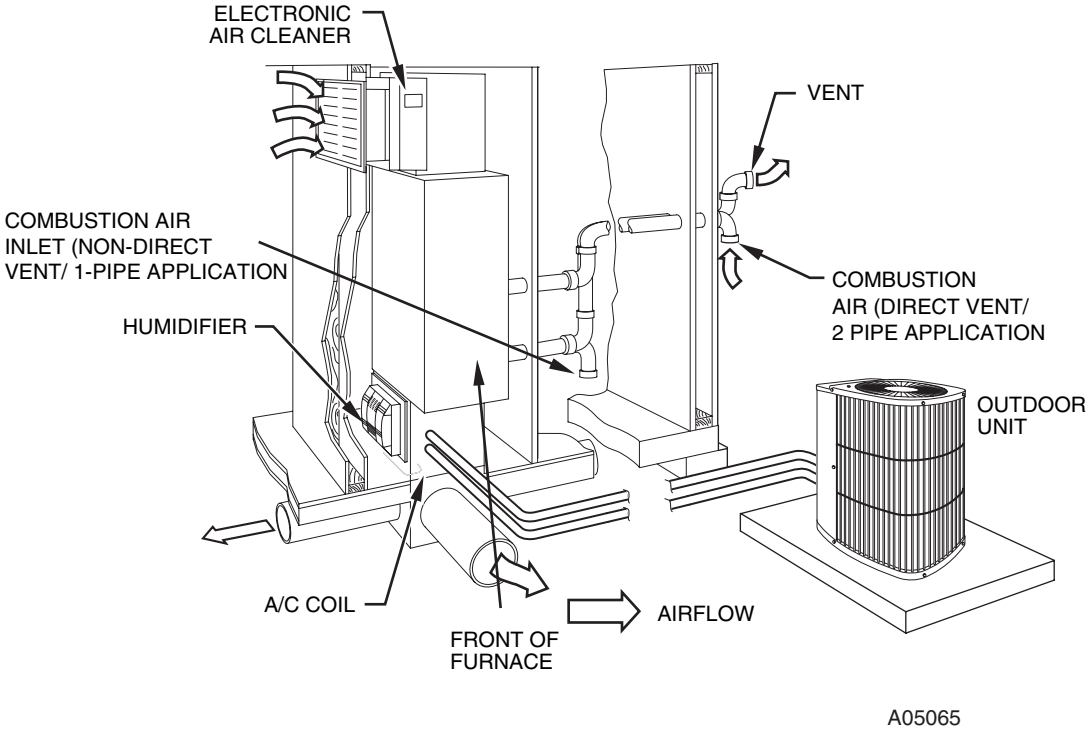
(DIRECT VENT/2-PIPE APPLICATION)
OUTDOOR UNIT
A/C COIL
VENT PIPE
HUMIDIFIER
COMBUSTION
AIR INLET
(NON-DIRECT
1-PIPE APPLICATION)
ELECTRONIC
AIR CLEANER
GAS-FIRED
WATER HEATER
FRONT OF
FURNACE
AIRFLOW
A05064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AIR CLEANER
VENT
COMBUSTION AIR
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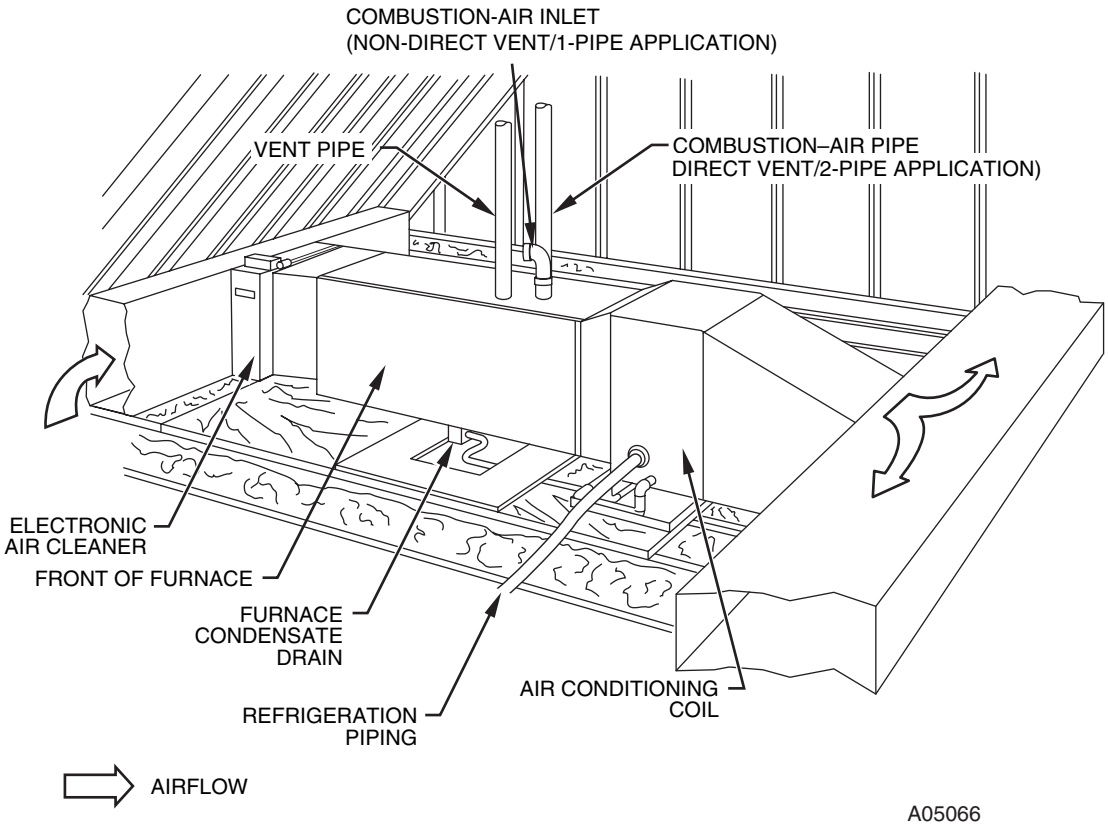
VENT/ 1-PIPE APPLICATION
HUMIDIFIER
COMBUSTION
AIR (DIRECT VENT/
2 PIPE APPLICATION
OUTDOOR
UNIT
A/C COIL
FRONT OF
FURNACE
AIRFLOW
A05065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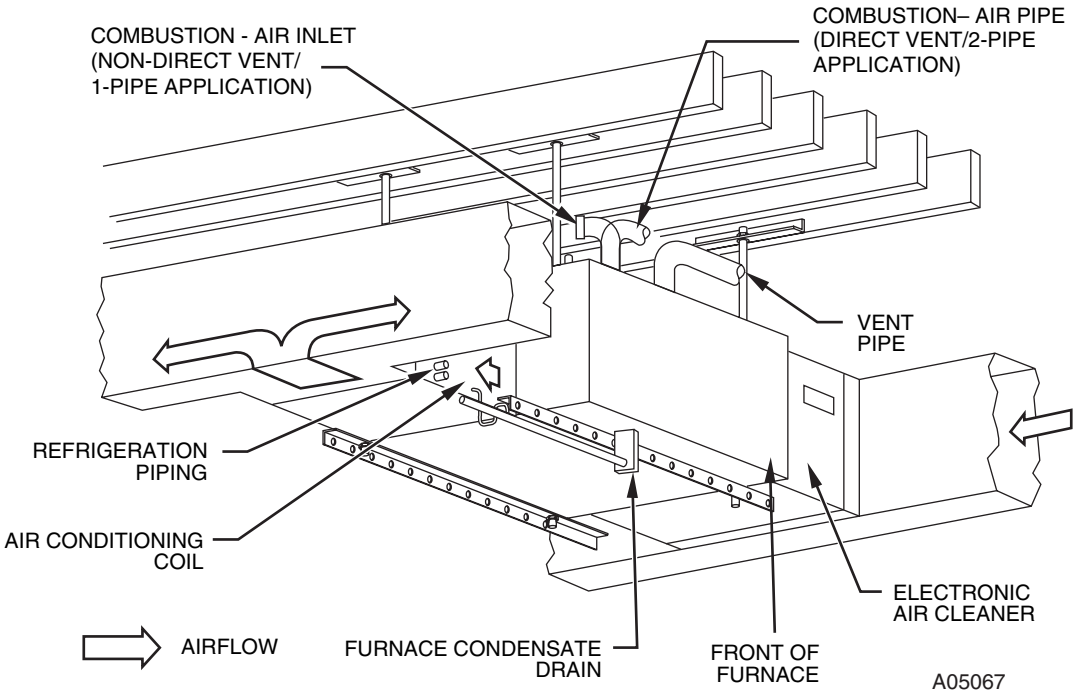
(NON-DIRECT VENT/1-PIPE APPLICATION)
VENT PIPE
COMBUSTION–AIR PIPE
DIRECT VENT/2-PIPE APPLICATION)
ELECTRONIC
AIR CLEANER
FRONT OF FURNACE
FURNACE
CONDENSATE
DRAIN
REFRIGERATION
PIPING
AIR CONDITIONING
COIL
AIRFLOW
A05066


COMBUSTION - AIR INLET
(NON-DIRECT VENT/
1-PIPE APPLICATION)
COMBUSTION– AIR PIPE
(DIRECT VENT/2-PIPE
APPLICATION)
VENT
PIPE
REFRIGERATION
PIPING
AIR CONDITIONING
COIL
ELECTRONIC
AIR CLEANER
AIRFLOW
FURNACE CONDENSATE
DRAIN
FRONT OF
FURNACE
A05067

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE
WITH INSTALLATION INSTRUCTIONS

Cancels: PDS 355M.40.11

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